## **EAST Search History**

| Ref# | Hits | Search Query   | DBs                | Default<br>Operator | Plurals | Time Stamp          |
|------|------|--|--------------------|---------------------|---------|---------------------|
| L1   | 1940 | "438"/\$.ccls. and solder same lead same copper                                | US-PGPUB;<br>USPAT | OR                  | OFF     | 2009/07/10<br>17:10 |
| L2   | 647  | "438"/\$.ccls. and solder same lead same copper same ball                      | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:10 |
| L3   | 64   | "438"/\$.ccls. and solder same lead same copper same ball same paste           | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:13 |
| L4   | 18   | "438"/\$.ccls. and solder same lead with free same copper same ball same paste | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:14 |
| L5   | 1    | 11/426650  | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:25 |
| L6   | 4    | "438"/\$.ccls. and solder same lead with no same copper same ball same paste   | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:27 |
| L7   | 64   | solder same lead with free<br>same copper same ball<br>same paste              | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:31 |
| L8   | 388  | solder same lead with free same copper same ball                               | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:56 |
| L9   | 160  | "438"/\$.ccls. and solder same lead with free same copper same ball            | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:56 |
| L10  | 186  | "438"/\$.ccls. and solder<br>same lead with free same<br>(cu copper) same ball | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:56 |
| L11  | 103  | "438"/\$.ccls. and solder<br>with lead with free with<br>(cu copper) same ball | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>17:57 |
| L12  | 2    | "6180493".pn. "6200881 <b>"</b> .<br>pn.                                       | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>18:18 |
| L13  | 1    | "6323677".pn.  | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>18:19 |
| L14  | 1    | "20010013653"  | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/10<br>18:19 |
| S1   | 7171 | bond\$4 and solder and<br>land\$4 and ball                                     | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/08<br>14:41 |
| S2   | 1    | 10/593535  | US-PGPUB;<br>USPAT | OR                  | ON      | 2009/07/08<br>14:44 |

| S3  | 0     | ("2008/0303149").URPN.  | USPAT                        | OR | OFF | 2009/07/08<br>15:00 |
|-----|-------|---|------------------------------|----|-----|---------------------|
| S4  | 20154 | solder same ball and bond<br>\$   | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/08<br>15:23 |
| S5  | 10739 | solder same ball and bond<br>\$ same (pad land\$4)  | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/08<br>15:23 |
| S6  | 3     | metal adj graze   | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/08<br>15:34 |
| S7  | 5     | metal adj graze\$   | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/08<br>15:35 |
| S8  | 7846  | solder same ball and bond<br>\$ same (pad land\$4) and<br>(cu copper)   | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/08<br>15:38 |
| S9  | 4352  | solder same ball and bond<br>\$ same (pad land\$4) same<br>(size area larger smaller)                                 | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/08<br>15:38 |
| S10 | 2643  | solder same ball and bond<br>\$ same (pad land\$4) with<br>(size area larger smaller)                                 | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/08<br>15:38 |
| S11 | 5702  | solder same ball and bond<br>\$ same (pad land\$4) with<br>( area larger smaller)                                     | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/08<br>15:40 |
| S12 | 1025  | solder same ball and bond<br>\$ same (pad land\$4) with<br>(size area) with ( larger<br>smaller)                      | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/08<br>15:40 |
| S13 | 2034  | "438"/\$.ccls. and solder same ball and bond\$ same (pad land\$4) with ( area larger smaller)                         | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/08<br>15:41 |
| S14 | 355   | "438"/\$.ccls. and solder<br>same ball and bond\$<br>same (pad land\$4) with<br>(size area) with ( larger<br>smaller) | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/08<br>15:41 |
| S15 | 2134  | "438"/\$.ccls. and solder same ball and bond\$ same (pad land\$4) with (size area)                                    | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/08<br>18:00 |
| S16 | 2047  | "438"/\$.ccls. and solder with ball and bond\$ same (pad land\$4) with (size area)                                    | US-PGPUB;<br>USPAT           | OR | ON  | 2009/07/08<br>18:01 |
| S17 | 14    | ("3871015"   "5266520"  <br>"6020561"   "6066551").<br>PN. OR ("6444563").<br>URPN.                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/07/09<br>10:20 |

| S18 | 5  | ("5381307"   "5641946"  <br>"6020633"   "6316735"  <br>"6444563").PN. OR<br>("7180183").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/07/09<br>10:24 |
|-----|----|--|------------------------------|----|-----|---------------------|
| S19 | 52 | ("3871014"   "4032058"  <br>"4164778"   "4600970"  <br>"4831724"   "4949148"  <br>"5019673"   "5022580").<br>PN. OR ("5381307").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/07/09<br>10:26 |
| S20 | 13 | ("5153379"   "5216278"  <br>"5569960"   "5741729"  <br>"6008534"   "6107685"  <br>"6265783"   "6350669"  <br>"6365978"   "6404062"  <br>"6444563"   "6518677").<br>PN. OR ("6940176").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/07/09<br>10:37 |
| S21 | 28 | ("5686699"   "5828128"  <br>"5874776"   "5977617").<br>PN. OR ("6107685").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/07/09<br>10:45 |
| S22 | 34 | ("20010031909"   "5132878"   "5200580"   "5264729"   "5301143"   "5544069"   "5691209"   "5914524"   "5920110"   "5950070"   "5973340"   "5982185"   "6008533"   "6157584"   "6222212"   "6229227"   "6249014"   "6277674"   "6323534"   "6333887"   "6348400"   "6351040"   "6391681"   "6392291"   "6425766"   "6449170"   "6506981"   "6528735"   "6537850"   "6649931"   "6753482"   "6914275").PN. OR | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/07/09<br>14:55 |
| S23 | 12 | ("6048755"   "6097087"  <br>"6118179"   "6180504"  <br>"6232147").PN. OR<br>("6391681").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2009/07/09<br>15:00 |
| S24 | 1  | 10/593535  | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/10<br>12:41 |
| S25 | 0  | 10/593535 and graze  | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/10<br>12:41 |
| S26 | 1  | 10/593535 and graze\$  | US-PGPUB;<br>USPAT           | OR | OFF | 2009/07/10<br>12:41 |

7/10/2009 6:25:51 PM

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